

Amendments to the Specification:

Please replace paragraph 0010 with the following amended paragraph:

[0010] Centering wire 30 functions to center catheter 20 in the body vessel as follows. With wire-form 40 in its expanded configuration, apexes 54 contact lumen 15, and the radial symmetry of wire-form 40 tends to retain center line 42 centered in vessel 10. To restrain catheter 20 about center line 42, starting and ending segments 52, 56 prevent their respective contact points with catheter 20 from moving or bending towards lumen 15. For example, as can be seen in FIG. 3, wire-form 40 can effectively prevent catheter 20 from moving laterally, or perpendicular to the plane extending through directions 0° and 180°. Starting and ending segments 52, 56 contact catheter 20 on alternating opposite sides only, such that each contact point can only deter lateral displacement of catheter 20 in one direction. In this example, contact points on the same side are separated by the length of two lobes 50. Alternate embodiments of centering wire 30 are presented below, and feature more contact points and closer separation distances therebetween to achieve better centering performance, especially in curved body vessels. To a lesser extent, wire-form 40 can also act to restrain catheter 20 centered within the plane through directions 0° to 180°, shown in FIG. 3. For catheter 20 to move away from center line 42 towards apex 54 of lobe 50 requires starting and ending segments 54, 56 52 to twist out-of-plane, or for catheter 20 to bend laterally through lobe 50.

Please replace the paragraph beginning at page 20, with the following amended paragraph:

An apparatus for radially centering a treatment region of a brachytherapy catheter in a lumen of a body vessel. The centering apparatus includes a monofilament wire-form that is pre-shaped to have an expanded configuration having multiple lobes arranged in a radially symmetrical staggered sequence along the treatment region of the catheter. The centering apparatus also has a collapsed configuration that is formable about the catheter

by drawing apart the ends of the wire-form. ~~This abstract is provided to comply with the rules requiring an abstract which will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims. 37 CFR 1.72(b)~~